

StairDesigner

Duayne

winder1  
Scale : 1/15

Multi-Flight Stair

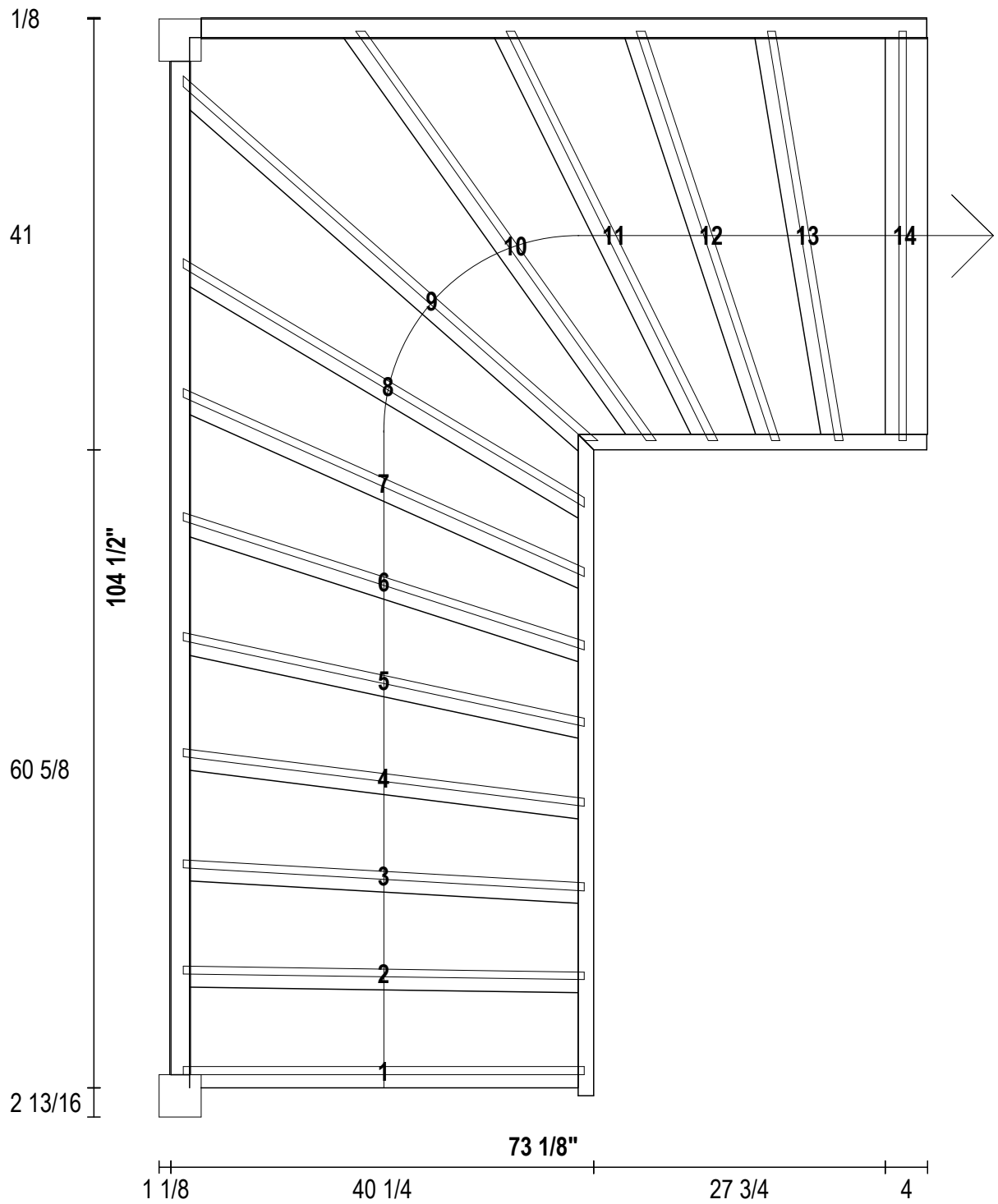
Risers : 14

Floor Height : 98 1/2"

Riser Height : 7 1/16"

Tread Width : 9 5/16"

Stair Rule : 23 3/8"



StairDesigner  
Step : 1

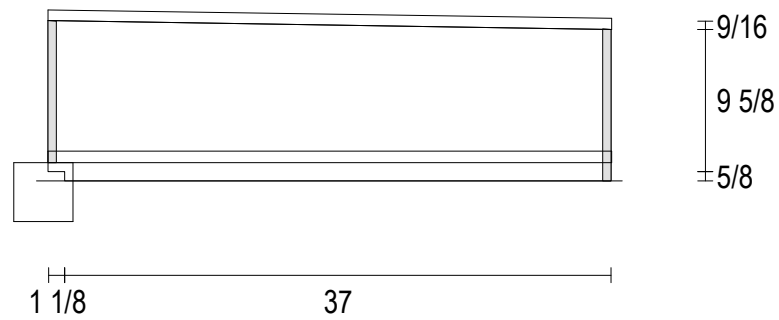
**Duayne**

winder1  
Scale : 1/13

Step :  $38 \frac{1}{8} \times 10 \frac{13}{16}$

Riser

Width :  $38 \frac{1}{8}$  Height :  $6 \frac{3}{8}$  Thickness :  $\frac{3}{4}$  Angle : 0.00



StairDesigner  
Step : 2

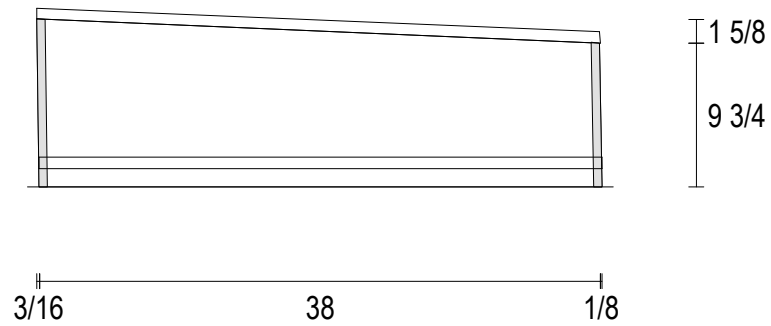
**Duayne**

winder1  
Scale : 1/13

Step :  $38 \frac{5}{16} \times 11 \frac{3}{8}$

Riser

Width :  $38 \frac{1}{8}$  Height :  $7 \frac{7}{16}$  Thickness :  $\frac{3}{4}$  Angle : 0.85



StairDesigner  
Step : 3

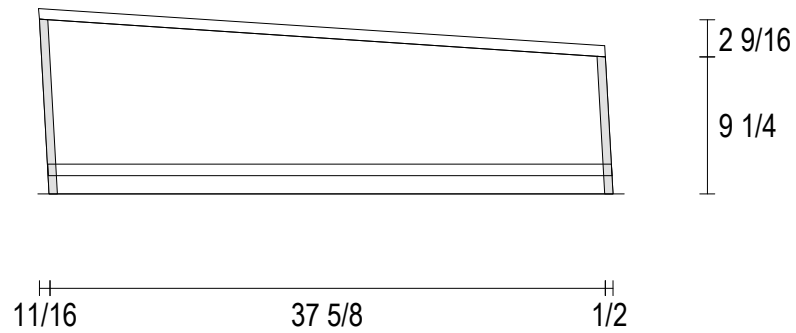
**Duayne**

winder1  
Scale : 1/13

Step :  $38 \frac{7}{8} \times 11 \frac{13}{16}$

Riser

Width :  $38 \frac{1}{4}$  Height :  $7 \frac{7}{16}$  Thickness :  $\frac{3}{4}$  Angle : 3.27



StairDesigner  
Step : 4

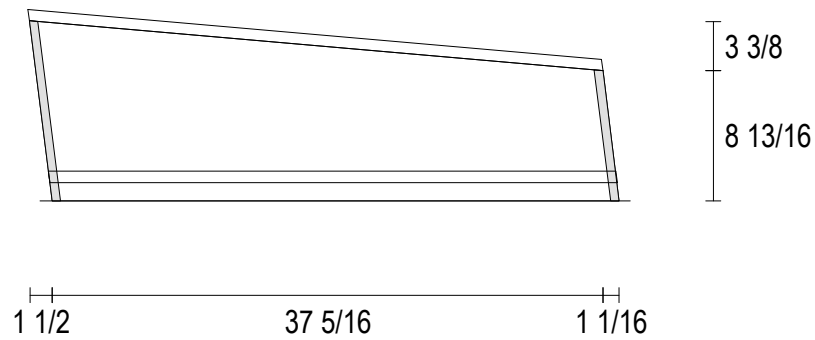
**Duayne**

winder1  
Scale : 1/13

Step :  $39 \frac{15}{16} \times 12 \frac{3}{16}$

Riser

Width :  $38 \frac{1}{2}$  Height :  $7 \frac{7}{16}$  Thickness :  $\frac{3}{4}$  Angle : 7.06



StairDesigner  
Step : 5

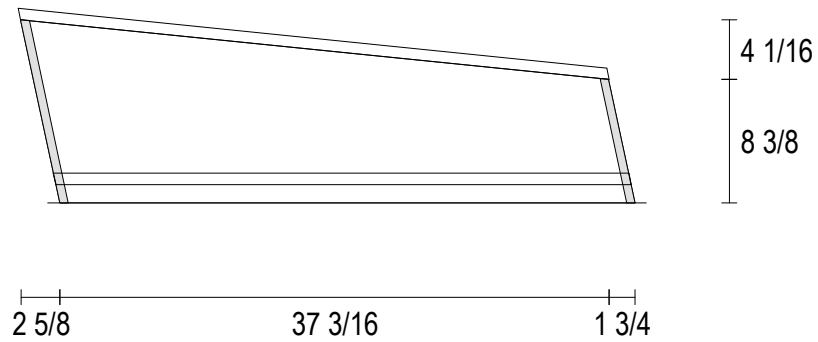
**Duayne**

winder1  
Scale : 1/13

Step :  $41 \frac{5}{8} \times 12 \frac{3}{8}$

Riser

Width :  $39 \frac{1}{8}$  Height :  $7 \frac{7}{16}$  Thickness :  $\frac{3}{4}$  Angle : 11.99



StairDesigner  
Step : 6

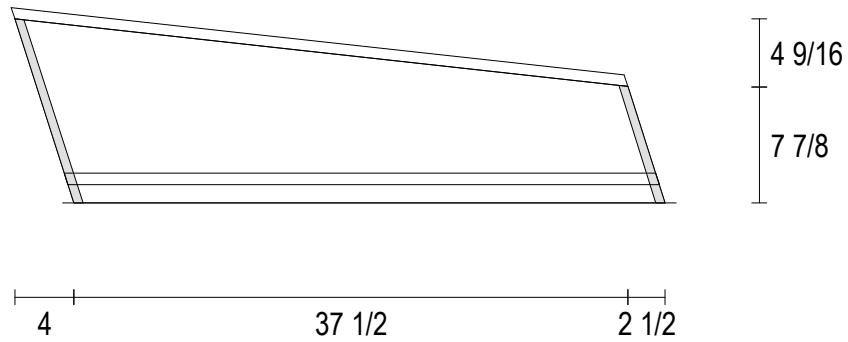
**Duayne**

winder1  
Scale : 1/13

Step : 44 x 12 7/16

Riser

Width : 40 5/16 Height : 7 7/16 Thickness : 3/4 Angle : 17.78



StairDesigner  
Step : 7

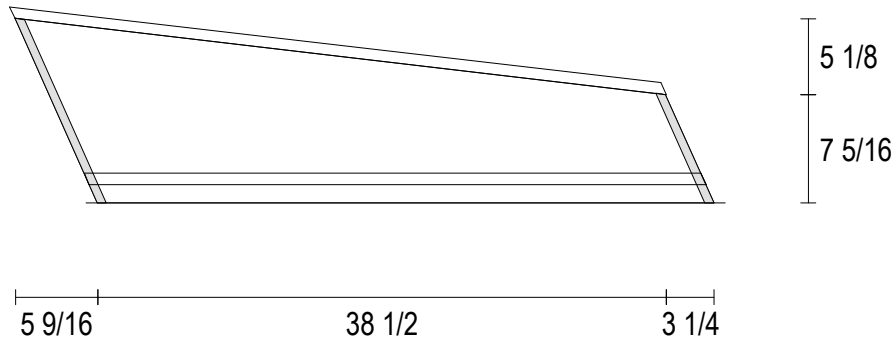
**Duayne**

winder1  
Scale : 1/13

Step :  $47 \frac{5}{16} \times 12 \frac{1}{2}$

Riser

Width :  $42 \frac{1}{8}$  Height :  $7 \frac{7}{16}$  Thickness :  $\frac{3}{4}$  Angle : 24.09





StairDesigner  
Step : 8

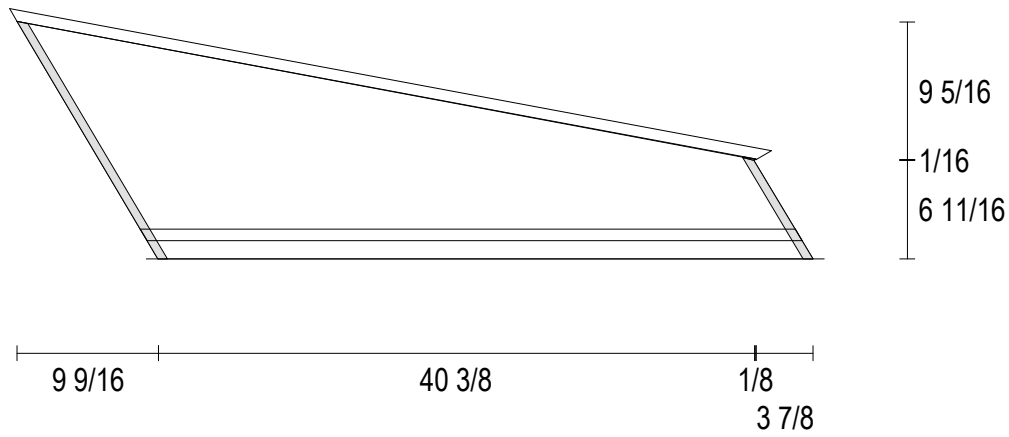
**Duayne**

winder1  
Scale : 1/13

Step :  $53 \frac{15}{16} \times 16 \frac{1}{16}$

Riser

Width :  $44 \frac{13}{16}$  Height :  $7 \frac{7}{16}$  Thickness :  $\frac{3}{4}$  Angle : 30.76



StairDesigner  
Step : 9

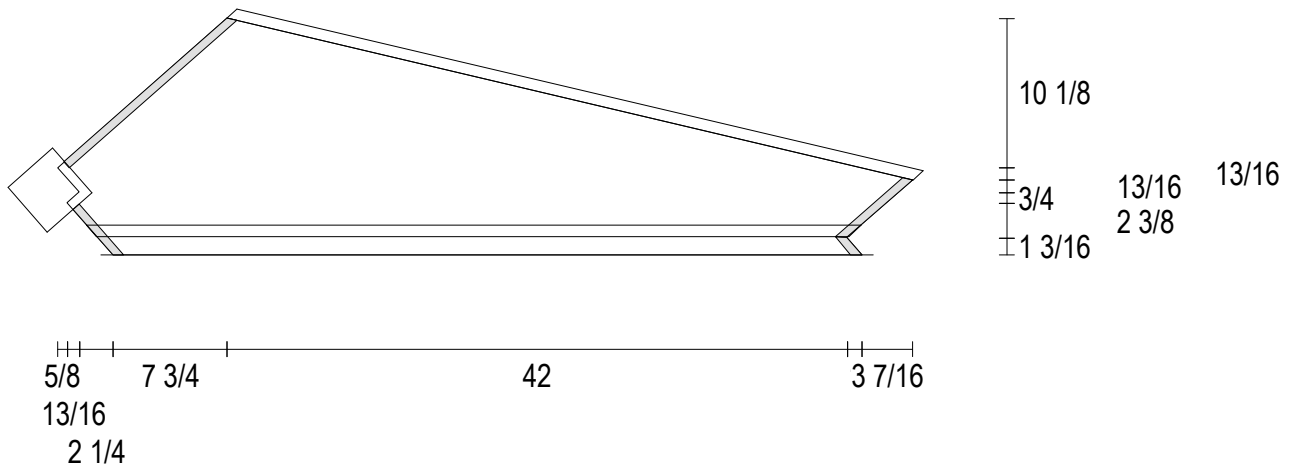
**Duayne**

winder1  
Scale : 1/13

Step : 57 15/16 x 16

Riser

Width : 52 1/2 Height : 7 7/16 Thickness : 3/4 Angle R:-48.68 ; L:41.32



StairDesigner  
Step : 10

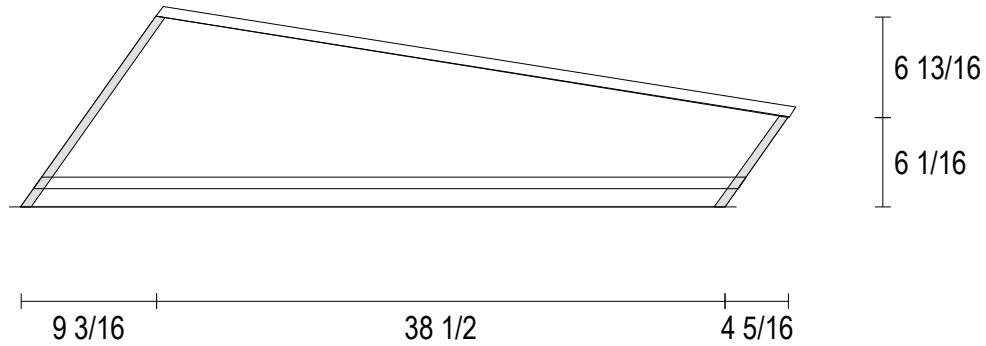
**Duayne**

winder1  
Scale : 1/13

Step : 52 x 12 7/8

Riser

Width : 48 1/4 Height : 7 7/16 Thickness : 3/4 Angle : -35.44



StairDesigner  
Step : 11

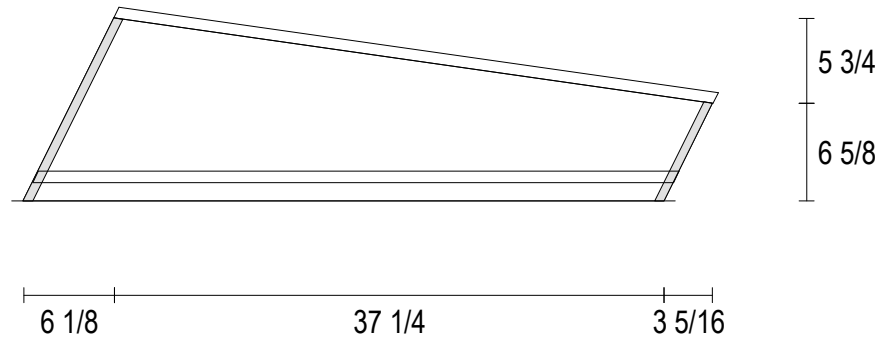
**Duayne**

winder1  
Scale : 1/13

Step : 46 11/16 x 12 3/8

Riser

Width : 43 13/16 Height : 7 7/16 Thickness : 3/4 Angle : -26.39



StairDesigner  
Step : 12

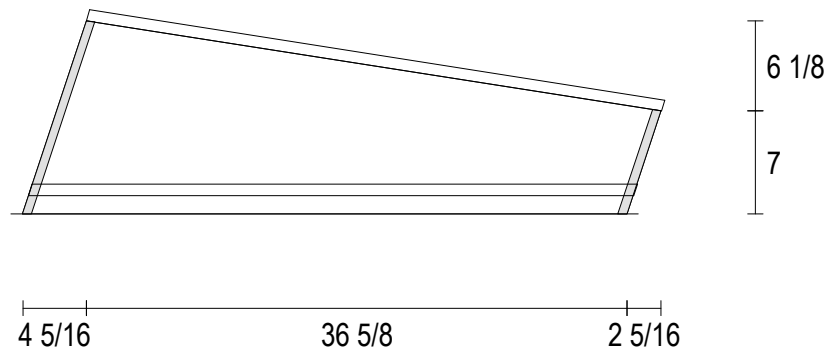
**Duayne**

winder1  
Scale : 1/13

Step :  $43 \frac{1}{4} \times 13 \frac{1}{16}$

Riser

Width :  $41 \frac{3}{16}$  Height :  $7 \frac{7}{16}$  Thickness :  $\frac{3}{4}$  Angle : -18.30



StairDesigner  
Step : 13

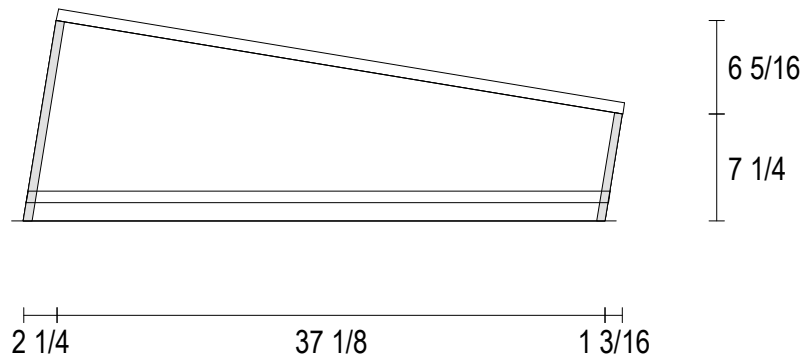
**Duayne**

winder1  
Scale : 1/13

Step :  $40 \frac{9}{16} \times 13 \frac{9}{16}$

Riser

Width :  $39 \frac{9}{16}$  Height :  $7 \frac{7}{16}$  Thickness :  $\frac{3}{4}$  Angle : -9.39



StairDesigner  
Step : 14

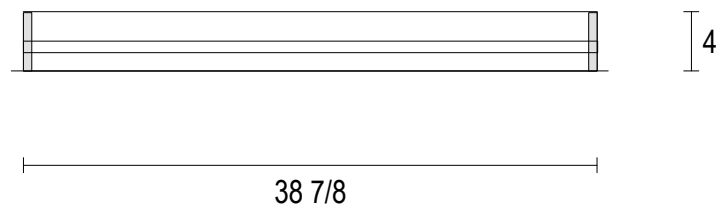
**Duayne**

winder1  
Scale : 1/13

Landing Step

Riser

Width :  $38 \frac{7}{8}$  Height :  $7 \frac{7}{16}$  Thickness :  $\frac{3}{4}$  Angle : 0.00

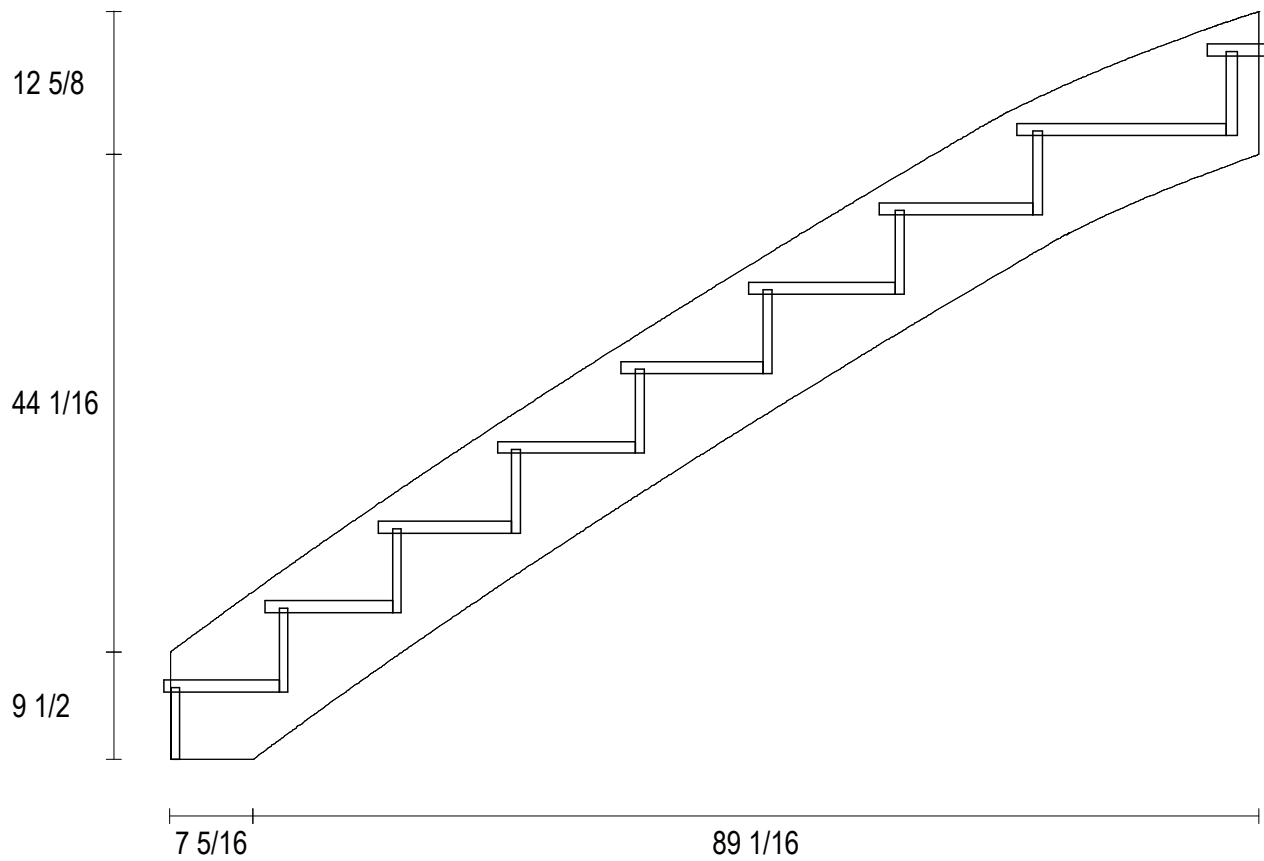


StairDesigner  
Left Stringboard : 1

**Duayne**

winder1  
Scale : 1/17

Dimensions : 116 3/4 x 14 7/8 (31.0°)



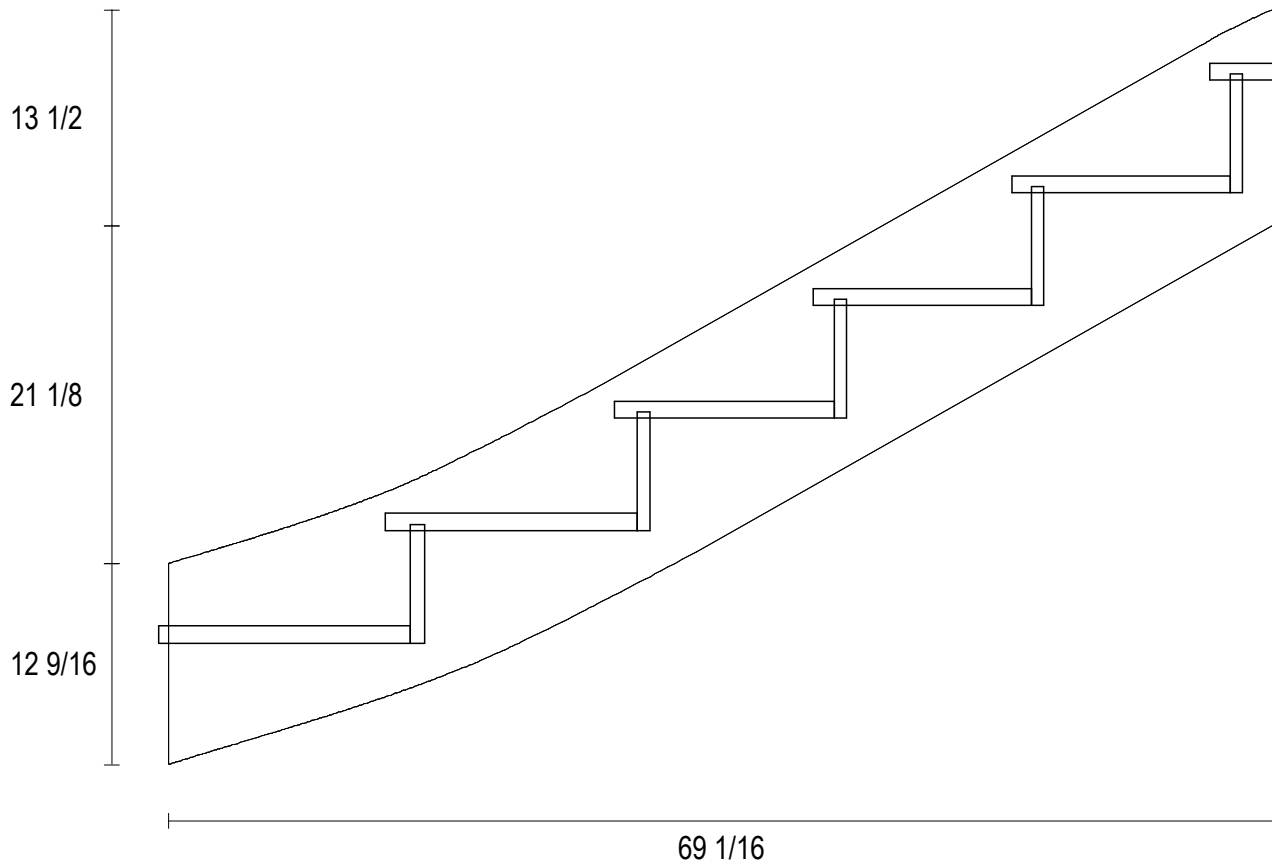


StairDesigner  
Left Stringboard : 2

**Duayne**

winder1  
Scale : 1/12

Dimensions :  $82 \frac{7}{8} \times 14 \frac{5}{16}$  (26.7°)

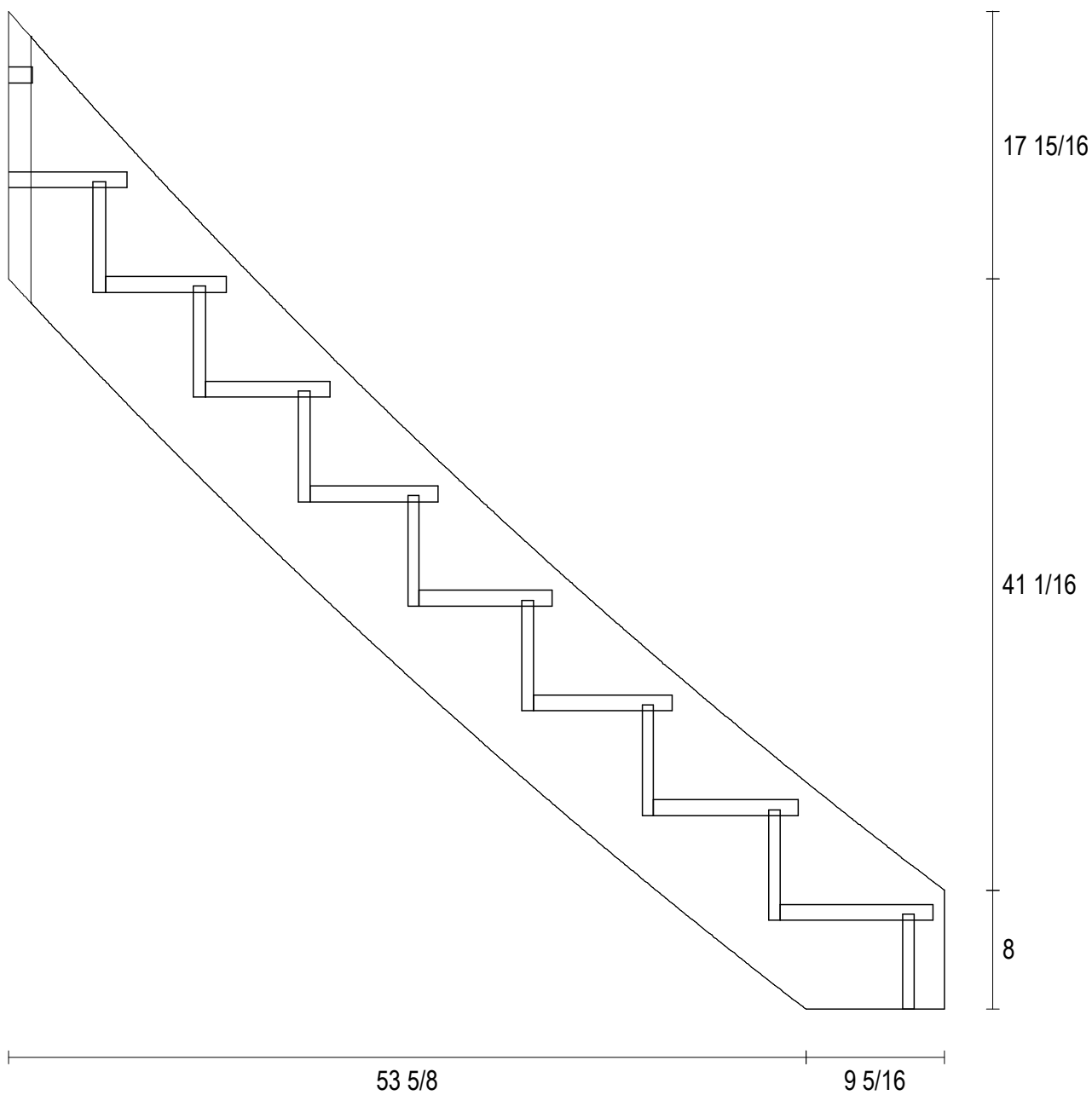


StairDesigner  
Right Stringboard : 1

**Duayne**

winder1  
Scale : 1/11

Dimensions : 91 3/4 x 14 1/4 (43.2°)

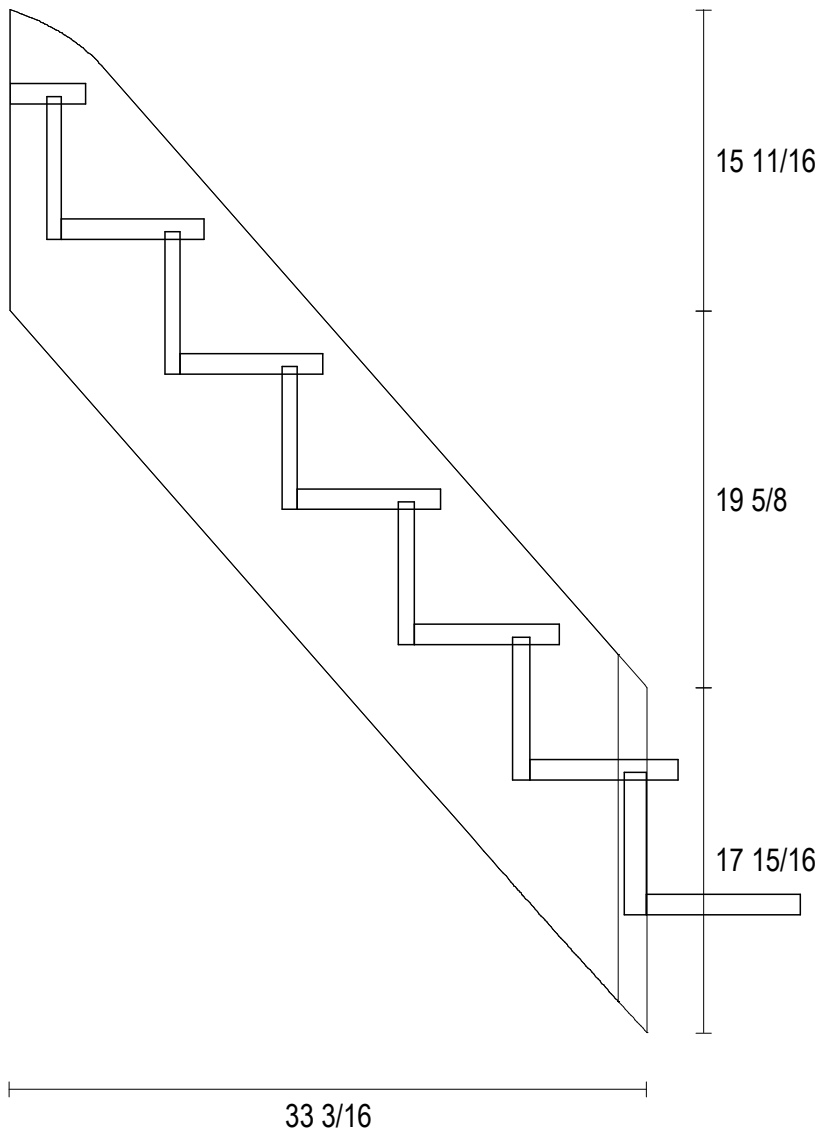


StairDesigner  
Right Stringboard : 2

**Duayne**

winder1  
Scale : 1/10

Dimensions :  $61 \frac{15}{16}$  x 12 (48.7°)



StairDesigner  
Newel Post : 1

**Duayne**

winder1  
Scale : 1/13

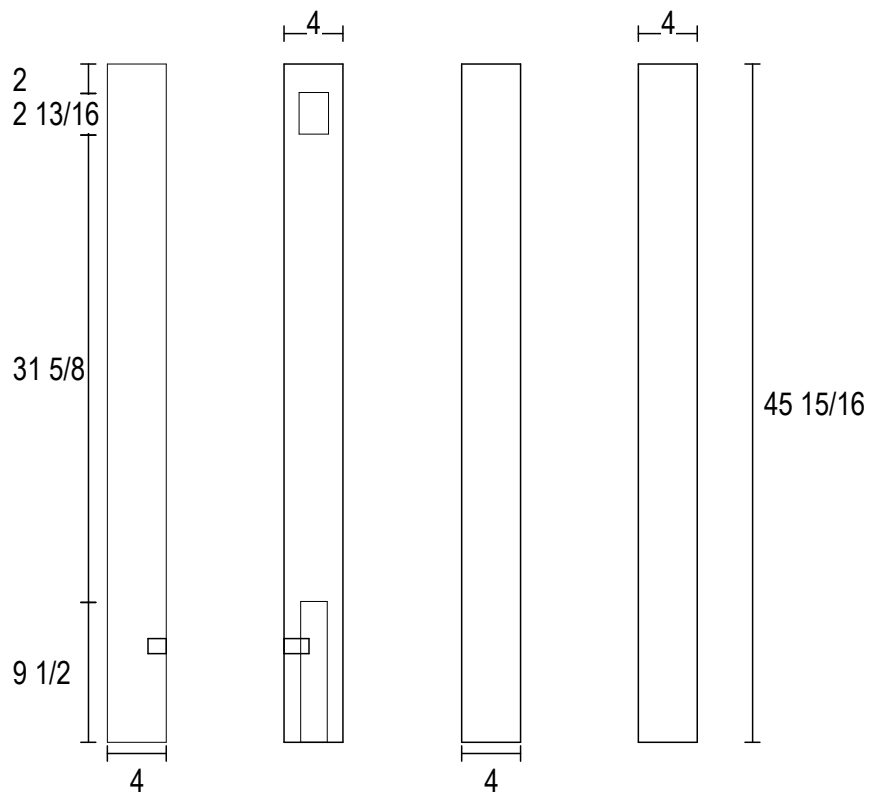
Extremity Newel Post Left Stringboard Flight : 1

Top View

Height : 45 15/16

Step 1 Height : 7 1/16

Front 2 : Stringboard : 0.00 / 36.79 Handrail : 36.34 / 36.84



StairDesigner  
Newel Post : 2

**Duayne**

winder1  
Scale : 1/13

Corner Newel Post Left Stringboard Flight : 1-2

Height : 52 5/16

Step 9 Height : 11 3/4

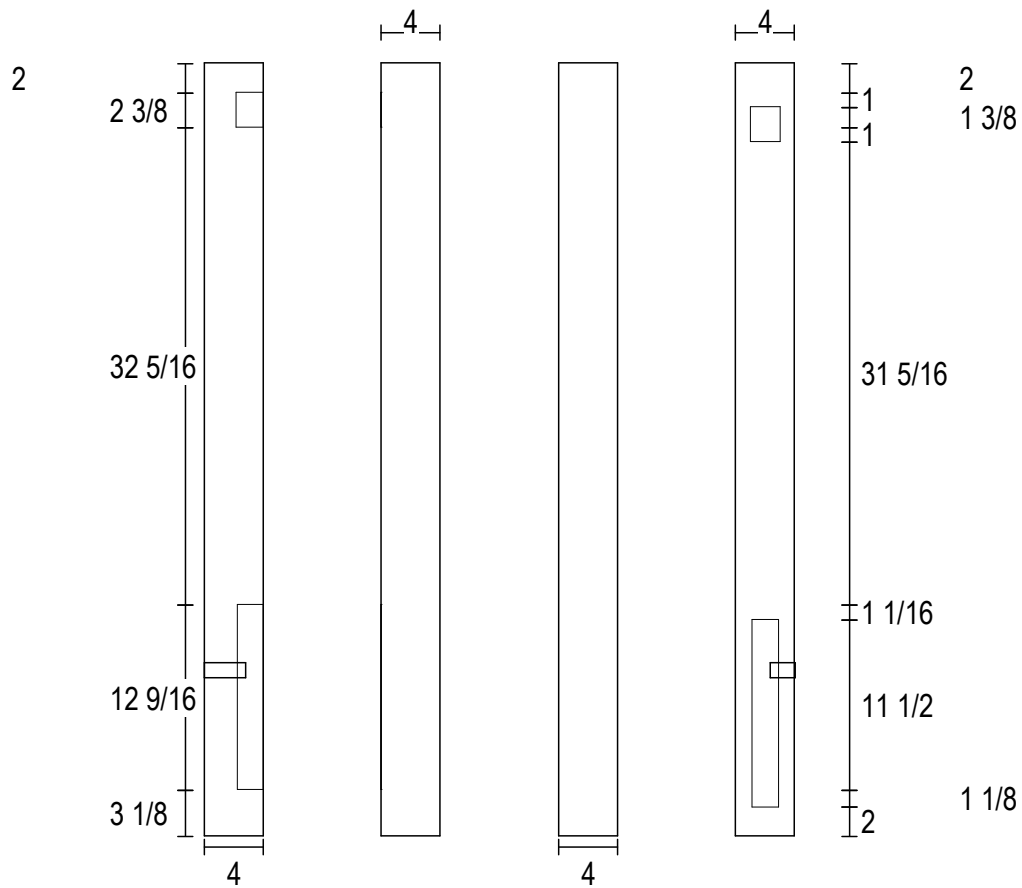
Front 1 : Stringboard : 17.66 / 16.81 Handrail : 17.03 / 16.92

Front 2 : Stringboard : 17.66 / 16.81 Handrail : 17.03 / 16.92

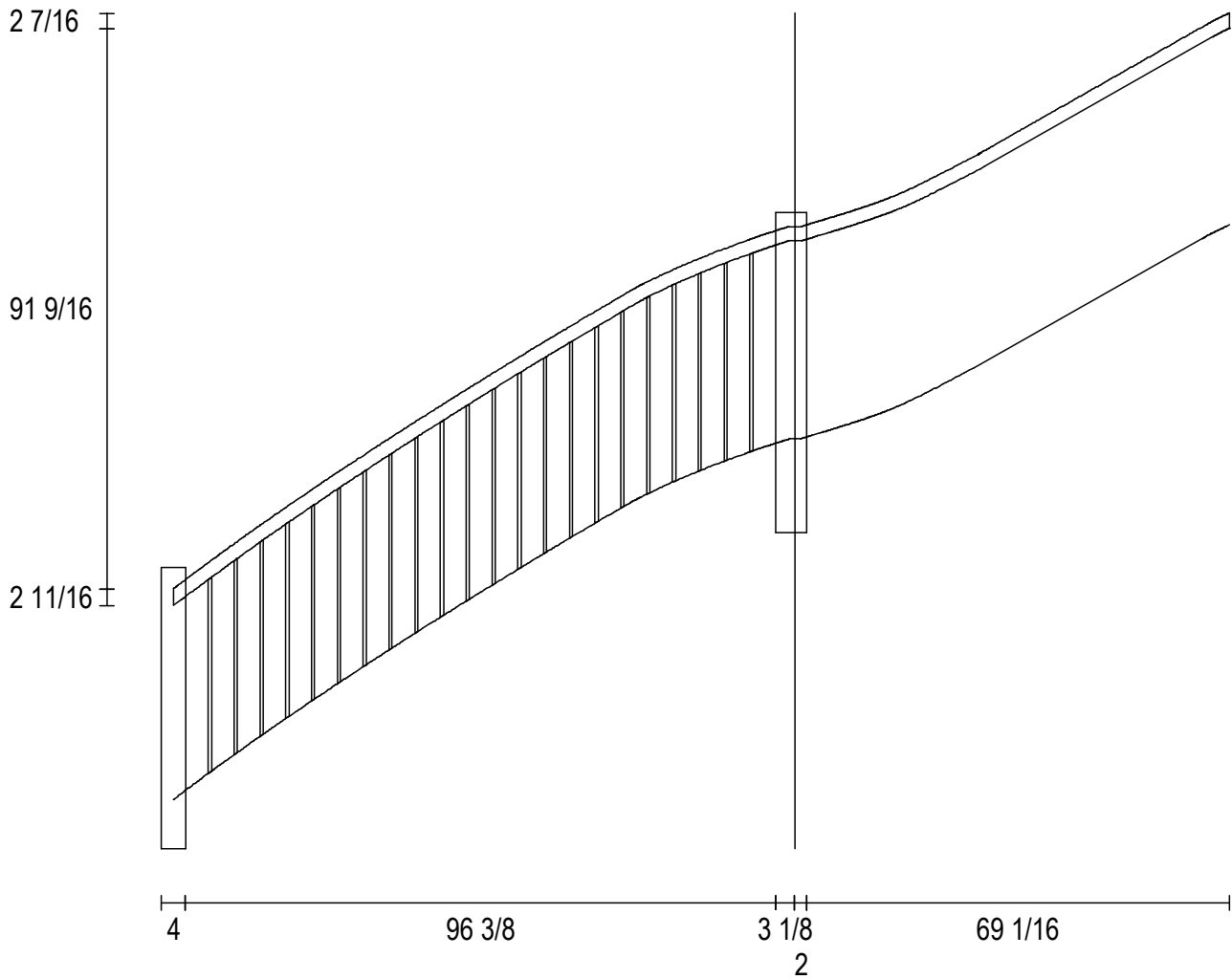
Front 4 : Stringboard : 19.49 / 17.56 Handrail : 17.94 / 17.70

Top View

Angle : 90.00



Dimensions : 197 13/16 x 9 11/16 (28.4°)



StairDesigner  
Banister : 1-3

**Duayne**

winder1

Banister : 1

Flight : 1

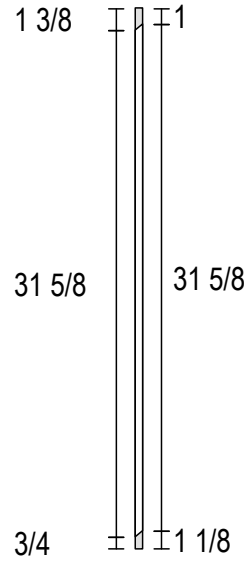
Position : 5 15/16

Height from Ground Level : 12 1/4

Angle : 36.53 / 36.26

Height : 33 3/4

Shaft Diameter : 1/2



Banister : 2

Flight : 1

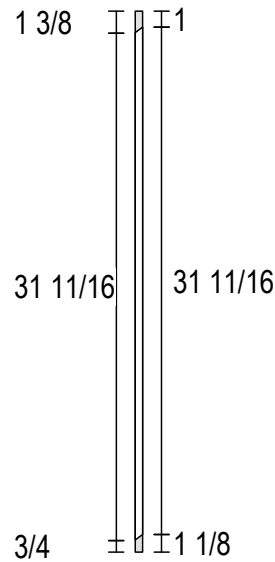
Position : 10 3/16

Height from Ground Level : 15 5/16

Angle : 35.75 / 35.60

Height : 33 13/16

Shaft Diameter : 1/2



Banister : 3

Flight : 1

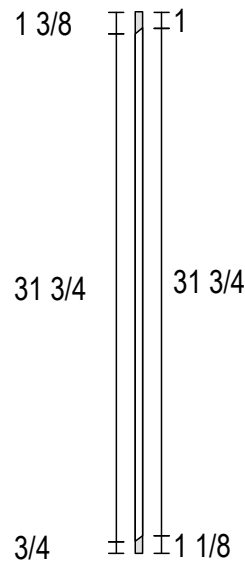
Position : 14 3/8

Height from Ground Level : 18 5/16

Angle : 35.34 / 34.93

Height : 33 13/16

Shaft Diameter : 1/2



StairDesigner  
Banister : 4-6

**Duayne**

winder1

Banister : 4

Flight : 1

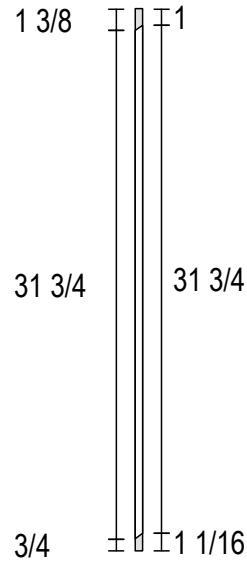
Position : 18 5/8

Height from Ground Level : 21 3/16

Angle : 34.58 / 34.37

Height : 33 7/8

Shaft Diameter : 1/2



Banister : 5

Flight : 1

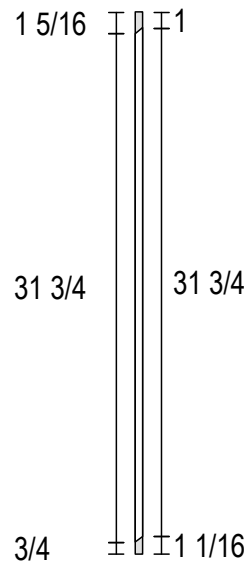
Position : 22 13/16

Height from Ground Level : 24 1/16

Angle : 34.32 / 34.08

Height : 33 7/8

Shaft Diameter : 1/2



Banister : 6

Flight : 1

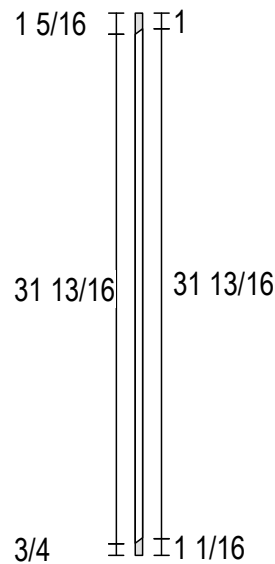
Position : 27

Height from Ground Level : 26 7/8

Angle : 33.77 / 33.45

Height : 33 7/8

Shaft Diameter : 1/2





StairDesigner  
Banister : 7-9

**Duayne**

winder1

Banister : 7

Flight : 1

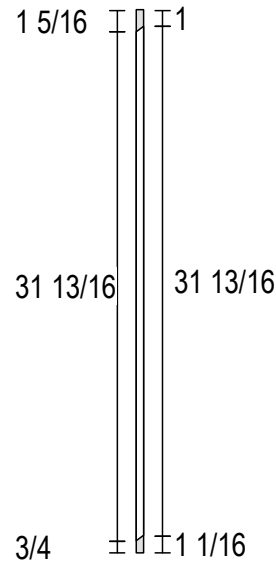
Position : 31 1/4

Height from Ground Level : 29 11/16

Angle : 33.30 / 33.24

Height : 33 7/8

Shaft Diameter : 1/2



Banister : 8

Flight : 1

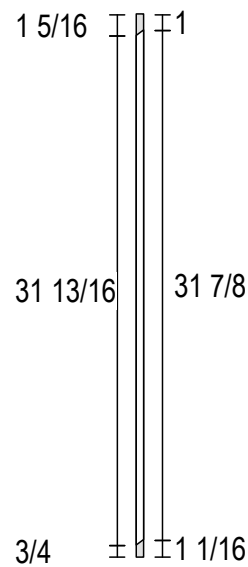
Position : 35 7/16

Height from Ground Level : 32 3/8

Angle : 33.05 / 32.77

Height : 33 15/16

Shaft Diameter : 1/2



Banister : 9

Flight : 1

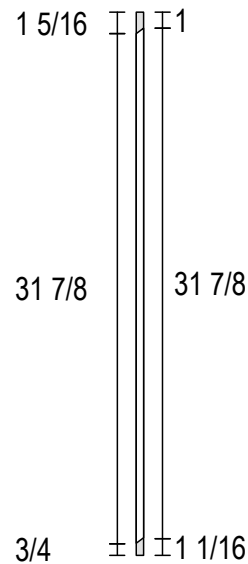
Position : 39 11/16

Height from Ground Level : 35 1/8

Angle : 32.53 / 32.38

Height : 33 15/16

Shaft Diameter : 1/2



StairDesigner  
Banister : 10-12

**Duayne**

winder1

Banister : 10

Flight : 1

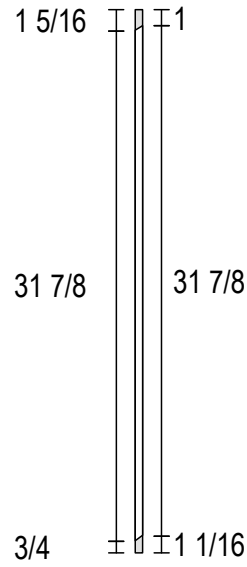
Position : 43 7/8

Height from Ground Level : 37 3/4

Angle : 32.36 / 32.18

Height : 33 15/16

Shaft Diameter : 1/2



Banister : 11

Flight : 1

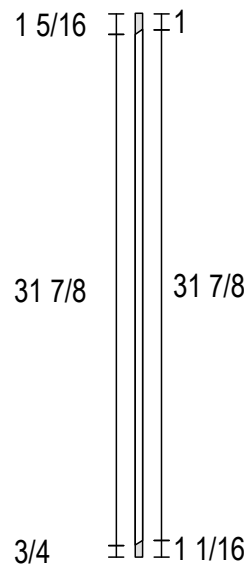
Position : 48 1/8

Height from Ground Level : 40 3/8

Angle : 31.96 / 31.81

Height : 33 15/16

Shaft Diameter : 1/2



Banister : 12

Flight : 1

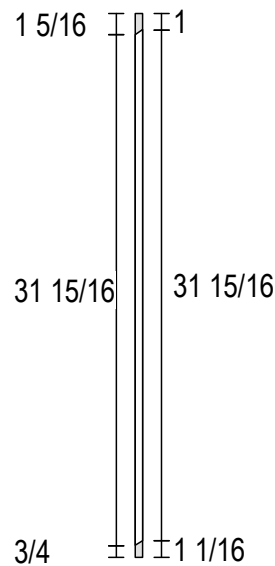
Position : 52 5/16

Height from Ground Level : 43

Angle : 31.62 / 31.54

Height : 34

Shaft Diameter : 1/2

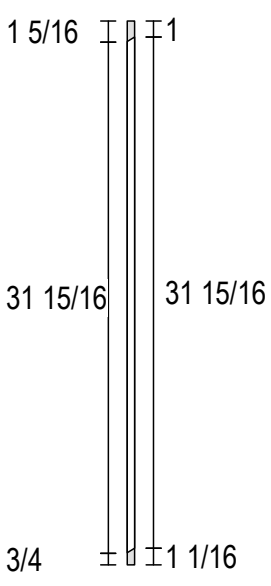


StairDesigner  
Banister : 13-15

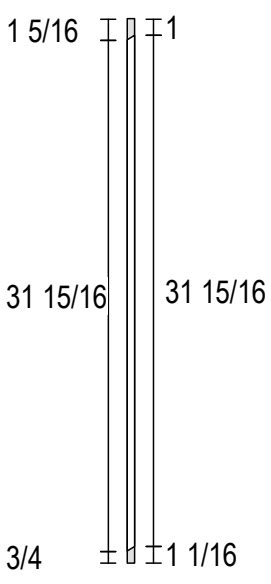
Duayne

winder1

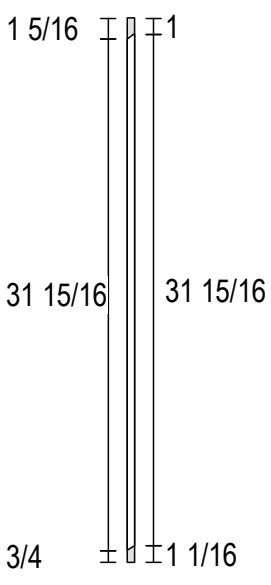
Banister : 13  
Flight : 1  
Position : 56 1/2  
Height from Ground Level : 45 9/16  
Angle : 31.53 / 31.41  
Height : 34  
Shaft Diameter : 1/2



Banister : 14  
Flight : 1  
Position : 60 3/4  
Height from Ground Level : 48 1/8  
Angle : 31.21 / 30.96  
Height : 34  
Shaft Diameter : 1/2



Banister : 15  
Flight : 1  
Position : 64 15/16  
Height from Ground Level : 50 5/8  
Angle : 30.71 / 30.64  
Height : 34  
Shaft Diameter : 1/2



StairDesigner  
Banister : 16-18

Duayne

winder1

Banister : 16

Flight : 1

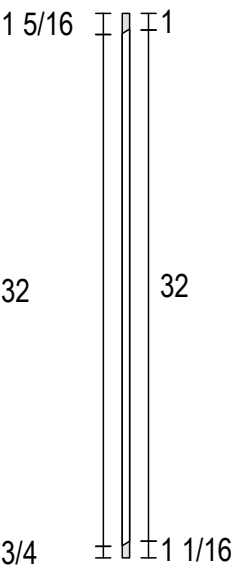
Position : 69 3/16

Height from Ground Level : 53 1/8

Angle : 30.63 / 30.53

Height : 34

Shaft Diameter : 1/2



Banister : 17

Flight : 1

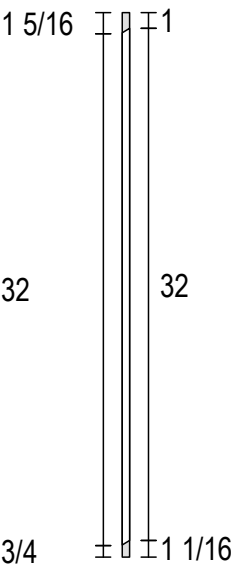
Position : 73 3/8

Height from Ground Level : 55 5/8

Angle : 30.36 / 30.10

Height : 34

Shaft Diameter : 1/2



Banister : 18

Flight : 1

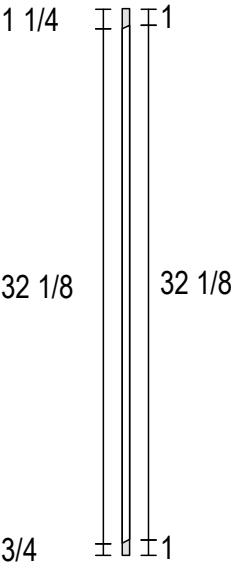
Position : 77 9/16

Height from Ground Level : 57 7/8

Angle : 26.83 / 25.73

Height : 34 1/8

Shaft Diameter : 1/2

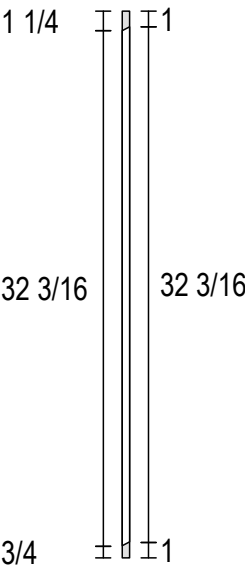


StairDesigner  
Banister : 19-21

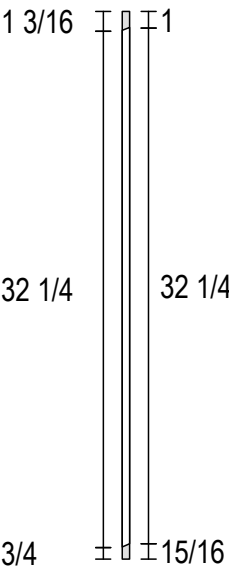
Duayne

winder1

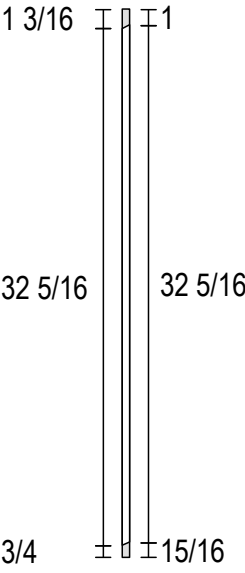
Banister : 19  
Flight : 1  
Position : 81 13/16  
Height from Ground Level : 59 13/16  
Angle : 24.54 / 23.61  
Height : 34 3/16  
Shaft Diameter : 1/2



Banister : 20  
Flight : 1  
Position : 86  
Height from Ground Level : 61 5/8  
Angle : 22.61 / 21.91  
Height : 34 3/16  
Shaft Diameter : 1/2



Banister : 21  
Flight : 1  
Position : 90 1/4  
Height from Ground Level : 63 1/4  
Angle : 20.83 / 20.43  
Height : 34 1/4  
Shaft Diameter : 1/2



StairDesigner  
Banister : 22

**Duayne**

winder1

Banister : 22

Flight : 1

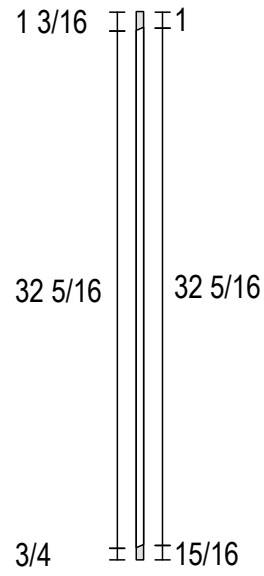
Position : 94 7/16

Height from Ground Level : 64 13/16

Angle : 20.17 / 19.43

Height : 34 1/4

Shaft Diameter : 1/2



Piece	Dimensions	Cutting List Volume	Real Volume
Step 1	38 1/8 x 10 13/16 x 1 1/16	0.0072 m <sup>3</sup>	0.0070 m <sup>3</sup>
Step 2	38 5/16 x 11 3/8 x 1 1/16	0.0076 m <sup>3</sup>	0.0070 m <sup>3</sup>
Step 3	38 7/8 x 11 13/16 x 1 1/16	0.0080 m <sup>3</sup>	0.0070 m <sup>3</sup>
Step 4	39 15/16 x 12 3/16 x 1 1/16	0.0085 m <sup>3</sup>	0.0070 m <sup>3</sup>
Step 5	41 5/8 x 12 3/8 x 1 1/16	0.0090 m <sup>3</sup>	0.0070 m <sup>3</sup>
Step 6	44 x 12 7/16 x 1 1/16	0.0095 m <sup>3</sup>	0.0071 m <sup>3</sup>
Step 7	47 5/16 x 12 1/2 x 1 1/16	0.0103 m <sup>3</sup>	0.0072 m <sup>3</sup>
Step 8	53 15/16 x 16 1/16 x 1 1/16	0.0151 m <sup>3</sup>	0.0088 m <sup>3</sup>
Step 9	57 15/16 x 16 x 1 1/16	0.0161 m <sup>3</sup>	0.0103 m <sup>3</sup>
Step 10	52 x 12 7/8 x 1 1/16	0.0117 m <sup>3</sup>	0.0079 m <sup>3</sup>
Step 11	46 11/16 x 12 3/8 x 1 1/16	0.0101 m <sup>3</sup>	0.0072 m <sup>3</sup>
Step 12	43 1/4 x 13 1/16 x 1 1/16	0.0098 m <sup>3</sup>	0.0071 m <sup>3</sup>
Step 13	40 9/16 x 13 9/16 x 1 1/16	0.0096 m <sup>3</sup>	0.0071 m <sup>3</sup>
Step 14	38 7/8 x 4 x 1 1/16	0.0027 m <sup>3</sup>	0.0027 m <sup>3</sup>
Riser 1	38 1/8 x 6 3/8 x 3/4	0.0030 m <sup>3</sup>	0.0030 m <sup>3</sup>
Riser 2	38 1/8 x 7 7/16 x 3/4	0.0035 m <sup>3</sup>	0.0035 m <sup>3</sup>
Riser 3	38 1/4 x 7 7/16 x 3/4	0.0035 m <sup>3</sup>	0.0035 m <sup>3</sup>
Riser 4	38 1/2 x 7 7/16 x 3/4	0.0035 m <sup>3</sup>	0.0035 m <sup>3</sup>
Riser 5	39 1/8 x 7 7/16 x 3/4	0.0036 m <sup>3</sup>	0.0036 m <sup>3</sup>
Riser 6	40 5/16 x 7 7/16 x 3/4	0.0037 m <sup>3</sup>	0.0037 m <sup>3</sup>
Riser 7	42 1/8 x 7 7/16 x 3/4	0.0038 m <sup>3</sup>	0.0038 m <sup>3</sup>
Riser 8	44 13/16 x 7 7/16 x 3/4	0.0041 m <sup>3</sup>	0.0041 m <sup>3</sup>
Riser 9	52 1/2 x 7 7/16 x 3/4	0.0048 m <sup>3</sup>	0.0047 m <sup>3</sup>
Riser 10	48 1/4 x 7 7/16 x 3/4	0.0044 m <sup>3</sup>	0.0044 m <sup>3</sup>
Riser 11	43 13/16 x 7 7/16 x 3/4	0.0040 m <sup>3</sup>	0.0040 m <sup>3</sup>
Riser 12	41 3/16 x 7 7/16 x 3/4	0.0038 m <sup>3</sup>	0.0037 m <sup>3</sup>
Riser 13	39 9/16 x 7 7/16 x 3/4	0.0036 m <sup>3</sup>	0.0036 m <sup>3</sup>
Riser 14	38 7/8 x 7 7/16 x 3/4	0.0036 m <sup>3</sup>	0.0036 m <sup>3</sup>
Right Stringboard 1	91 3/4 x 14 1/4 x 1 1/2	0.0321 m <sup>3</sup>	0.0241 m <sup>3</sup>
Right Stringboard 2	61 15/16 x 12 x 1 1/2	0.0183 m <sup>3</sup>	0.0144 m <sup>3</sup>
Left Stringboard 1	116 3/4 x 14 7/8 x 1 3/4	0.0498 m <sup>3</sup>	0.0382 m <sup>3</sup>
Left Stringboard 2	82 7/8 x 14 5/16 x 1 3/4	0.0340 m <sup>3</sup>	0.0266 m <sup>3</sup>
Left Handrail 1	113 7/16 x 5 13/16 x 2	0.0215 m <sup>3</sup>	0.0083 m <sup>3</sup>
Left Handrail 2	78 5/16 x 4 5/8 x 2	0.0119 m <sup>3</sup>	0.0057 m <sup>3</sup>
Newel Post 1	4 x 4 x 45 15/16	0.0120 m <sup>3</sup>	0.0120 m <sup>3</sup>
Newel Post 2	4 x 4 x 52 5/16	0.0137 m <sup>3</sup>	0.0137 m <sup>3</sup>
Banister 1	1/2 x 1/2 x 33 3/4	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 2	1/2 x 1/2 x 33 13/16	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 3	1/2 x 1/2 x 33 13/16	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 4	1/2 x 1/2 x 33 7/8	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 5	1/2 x 1/2 x 33 7/8	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 6	1/2 x 1/2 x 33 7/8	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 7	1/2 x 1/2 x 33 7/8	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 8	1/2 x 1/2 x 33 15/16	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 9	1/2 x 1/2 x 33 15/16	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 10	1/2 x 1/2 x 33 15/16	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 11	1/2 x 1/2 x 33 15/16	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 12	1/2 x 1/2 x 34	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 13	1/2 x 1/2 x 34	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>

StairDesigner  
Cutting List (2/2)

**Duayne**

winder1

Piece	Dimensions	Cutting List Volume	Real Volume
Banister 14	1/2 x 1/2 x 34	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 15	1/2 x 1/2 x 34	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 16	1/2 x 1/2 x 34	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 17	1/2 x 1/2 x 34	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 18	1/2 x 1/2 x 34 1/8	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 19	1/2 x 1/2 x 34 3/16	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 20	1/2 x 1/2 x 34 3/16	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 21	1/2 x 1/2 x 34 1/4	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>
Banister 22	1/2 x 1/2 x 34 1/4	0.0001 m <sup>3</sup>	0.0001 m <sup>3</sup>



Piece	Cutting List Volume	Real Volume	Weight	Cost
Steps	0.1351 m <sup>3</sup>	0.1005 m <sup>3</sup>	90.44 kg	405.29 €
Risers	0.0528 m <sup>3</sup>	0.0525 m <sup>3</sup>	41.99 kg	84.47 €
Stringboards	0.1342 m <sup>3</sup>	0.1033 m <sup>3</sup>	82.64 kg	214.74 €
Handrails	0.0334 m <sup>3</sup>	0.0140 m <sup>3</sup>	11.21 kg	53.44 €
Newel Posts	0.0257 m <sup>3</sup>	0.0257 m <sup>3</sup>	20.60 kg	41.19 €
Banisters	0.0031 m <sup>3</sup>	0.0024 m <sup>3</sup>	1.92 kg	4.92 €
<b>Total</b>	<b>0.3843 m<sup>3</sup></b>	<b>0.2984 m<sup>3</sup></b>	<b>248.80 kg</b>	<b>804.06 €</b>